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ABSTRACT

This document presents the 1999 annual follow-up survey by Cabrillo College (California), which explores the reasons students chose Cabrillo, why they left if they did not complete the program, their satisfaction with the program and ideas for improvements, and comparisons of employment and wage level between completers of a program and leavers, or those who did not complete a program. Over 60% of completers stated that their goal was to obtain a vocational degree as compared to 40% of leavers, who also stated a higher proportion of less specific goals such as self-enrichment. Completers may be more likely to be focused on obtaining a degree in one specific program. For instance, all the multi-program students were leavers. Leavers stated lack of time, finances, job changes, and personal matters were the top reasons for not continuing. Most respondents reported high satisfaction with all programs and were interested in taking more classes at Cabrillo. Computer and interpersonal skills were stated as most needed after leaving Cabrillo. Employment did not significantly differ by completion status. Completers in general earned higher incomes than did leavers. Completers are proportionately more likely to be working in their field than leavers, especially for the Dental Hygiene and Nursing Programs. (VWC)

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ED 442 510

Cabrillo College

Vocational Education Follow-up Survey 1999

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1

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Vocational Education Follow-up Survey 1999

Terrence Willett
Research Technician
Jing Luan
Director of Research
November 11, 1999

Introduction

The Dean's Office of Occupational and Community Development commissioned the Office of Institutional Research to conduct annual follow-up studies of occupational program graduates and those who left the program before completion. Follow-up studies occurred in 1998 and again in 1999. The study explores the reasons students chose Cabrillo and why they left if they did not complete the program, their satisfaction with the program and ideas for improvements, and employment and wage level with comparisons between Completers of a program and Leavers, or those who did not complete a program. The findings from this study will be useful for institutional planning at the program level.

Executive Summary

- Over 60% of Completers stated their goal was to obtain a vocational degree as compared to 40% of Leavers who also stated a higher proportion of less specific goals such as self-enrichment. Completers may be more likely to be those focused on obtaining a degree in one specific program. For instance we see that all the multiprogram students were Leavers.
- Leavers stated lack of time, finances, job changes, and personal matters as top reasons for not continuing.
- Most respondents reported high satisfaction with all programs (87% of all respondents rated 4 or 5 on a five-point scale).
- Most (80%) also stated they are interested in taking more classes at Cabrillo.
- Computer and interpersonal skills were stated as most needed after leaving Cabrillo with much variability by program. For example, almost 80% of Dental Hygiene students listed interpersonal skills as most important while almost 80% of Drafting students stated that computer skills were most needed.
- Employment did not significantly differ by completion status.
- Unemployment for those who responded was about 13.5%. This is very high compared to California's seasonally adjusted rate of about 6% last Spring (Bureau of Labor Statistics) and the County's rate of about 7% (CA Employment Development Dept). However, many of those surveyed may just be beginning their job search and careers.
- Most (75%) who were employed worked in Santa Cruz County.
- Completers in general earned higher incomes than did Leavers.
- Highest incomes for Completers were in HMT, DH, and CEM and for Leavers were in CEM, Drafting, and CS (see Figure 2).
- Lowest incomes for Completers were in CAHM, Horticulture, and ECE and for Leavers were in Journalism, ECE, and MA (see Figure 2).
- Completers are proportionately more likely to be working in their field than Leavers especially for the Dental Hygiene and Nursing Programs. Leavers of Early Childhood Education were more likely than expected to be working in the field perhaps due to the

informal nature of some childcare situations as opposed to the medical professions that cannot be practiced without a license.

Limitations

When interpreting these data, it must be remembered that we only know about those who chose to respond. The majority of students did not respond and those that did respond did not always answer all the questions. Because of these concerns, caution must be exercised when using this data.

Attached is a copy of the survey instrument and open responses by program.

Methods

A total of 1,557 surveys were administered by mail or phone to 1512 occupational program students (41 students were enrolled in two programs and 2 were enrolled in three programs and received a survey for each program). None of the 43 students enrolled in multiple programs were program graduates. Occupational program students were those who completed an occupational program or who had completed at least 10 units of course work in a program. Students were divided into 313 (20.7%) Completers, those received a program award, and 1199 (79.3%) Leavers, those who took at least 10 units but did not receive an award. Students surveyed in 1998 were excluded from this survey. For the 1999 study, all Leavers were selected, which resulted in a larger number of Leavers than usual (see Table 1).

Table 1. Term that Leavers left program.

Term	#	%	Cumulative %
Fall 92	5	0.4	0.4
Spring 93	70	5.8	6.2
Summer 93	2	0.2	6.3
Fall 93	52	4.3	10.6
Spring 94	114	9.4	20.0
Summer 94	16	1.3	21.3
Fall 94	78	6.4	27.7
Spring 95	177	14.6	42.3
Summer 95	8	0.7	43.0
Fall 95	103	8.5	51.4
Spring 96	6	0.5	51.9
Summer 96	1	0.1	52.0
Fall 96	5	0.4	52.4
Spring 97	25	2.1	54.5
Summer 97	34	2.8	57.3
Fall 97	207	17.0	74.3
Spring 98	292	24.0	98.4
Summer 98	20	1.6	100.0
Total	1215	100.0	

Students enrolled in multiple programs were counted only once for demographic data such as gender and employment but for program specific questions, the analysis included each response. Wherever possible, 1998 data was compared with 1999 data.

Data were analyzed with SPSS 8.0.1. Much of the data were highly skewed, such as satisfaction ratings and income. In these cases, the median is included as a more accurate measure of central tendency.

Results

Students returned 579 surveys for a 37% return rate. Omitting those for whom we could not obtain accurate current contact data, the adjusted return rate is 40%. Of those who returned surveys, Completers returned 190 (60.7%) of 313 surveys and Leavers returned 389 (31.3%) of 1244 surveys.

Of those 564 individuals who returned surveys, 368 (65.2%) were female and 196 (34.8%) were male compared to 59.9% women and 40.1% men of the total number of surveyed students (see Table 2). Men returned surveys in a significantly lower proportion than women ($z = 3.31$, $p < 0.001$). Program completion overall was not significantly different between males and females despite certain programs having a higher proportion of one gender (Chi-square = 0.327, df = 1, $p = 0.567$).

Table 2. Program Membership of Respondents

Department	Code	% Female	% Male	Total #
Accounting/Finance	ACCT	75.4	24.6	57
Archaeology Technology	ARCHE	58.3	41.7	12
Business	BUS	72.2	27.8	115
Culinary Arts and Hospitality Management	CAHM	50.7	49.3	71
Computer Applications and Office Systems	CAOS	64.8	35.2	199
Construction and Energy Management	CEM	22.0	78.0	41
Criminal Justice	CJ	31.0	69.0	200
Computer Science	CS	27.0	73.0	74
Dental Hygiene	DH	90.9	9.1	22
Drafting	DRAFT	23.2	76.8	56
Early Childhood Education	ECE	92.3	7.7	274
Electronic Technology	ET	12.0	88.0	25
Fire Protection Technology	FPT	17.8	82.2	73
Hazardous Materials Technology	HMT	25.0	75.0	8
Horticulture	HORT	60.2	39.8	88
Industrial Technology	IT	0.0	100.0	5
Journalism	JOURN	67.9	32.1	28
Medical Assistant	MA	89.1	10.9	92
Microcomputer Management	MMGMT	57.6	42.4	33
Nursing	NURSING	87.5	12.5	56
Real Estate	RE	33.3	66.7	9
Radiologic Technology	RT	64.7	35.3	17
Small Business	SBUS	100.0	0.0	2
Total		59.8	40.2	1557

Note: Some respondents belong to more than one program.

Table 3. Reponses to the question, "Please select one from the following items that best describes your primary purpose for coming to Cabrillo College."

	Completer		Leaver		All	
	#	%	#	%	#	%
Obtain a vocational degree, not to transfer	70	37.8	68	18.7	138	25.2
Obtain a vocational degree and to transfer	47	25.4	48	13.2	95	17.4
Obtain transfer units with or without getting an AA/AS	25	13.5	55	15.1	80	14.6
Update job skill or renew license	24	13.0	110	30.2	134	24.5
Self-Enrichment	17	9.2	73	20.1	90	16.5
Obtain AA/AS*	1	0.5	3	0.8	4	0.7
Obtain skills for new career*	0	0.0	3	0.8	3	0.5
Other	1	0.5	4	1.1	3	0.5
Total	185	100	364	100	547	100

* Written in response

Table 4. Responses to the question, "Please check the main reason you did not re-enroll at Cabrillo College." This question was only offered to Leavers.

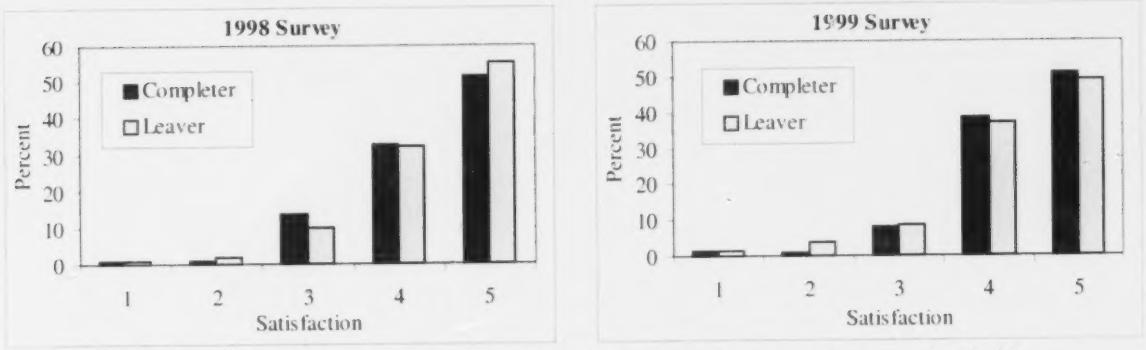
	#	%
Not enough time	92	24.9
Financial reasons	53	14.3
Other	52	14.1
Job change	47	12.7
Family or personal reasons	44	11.9
Relocation	27	7.3
Cabrillo's program was not what I wanted	13	3.5
Transferred to SJSU*	9	2.4
Transferred to UCSC*	4	1.1
Transferred elsewhere*	14	3.8
Need more time to decide what I want	8	2.2
Semester too long	6	1.6
Cabrillo was not a good learning environment	1	0.3
Total	370	100

* Written in response

Table 5. Responses to the question, "How satisfied are you with the education and training you received from Cabrillo College on a scale of One to Five (1-5) with Five being most satisfied?" for all programs combined.

Survey Year	Completer				Leaver				All			
	Mean	Median	sd	n	Mean	Median	sd	n	Mean	Median	sd	n
1999	4.36	5.00	0.81	186	4.27	4.00	0.90	375	4.30	4.00	0.87	561
1998	4.33	5.00	0.83	95	4.40	5.00	0.80	358	4.39	5.00	0.80	453

Figure 1. Proportion of satisfaction responses by completion status.



There is no significant difference between Completer and Leaver satisfaction in either year using the Mann-Whitney U-test at the 0.05 level of significance.

Table 6. Median program satisfactions and percent whom responded with a 4 or 5.

	Completer			Leaver			All		
Program	Median	% 4 or 5	n	Median	% 4 or 5	n	Median	% 4 or 5	n
ACCT	5.00	90.9	11	4.00	81.3	16	4.00	85.2	27
ARCHE	5.00	100.0	5	4.50	100.0	2	5.00	100.0	7
BUS	4.00	88.2	17	4.00	84.0	25	4.00	85.7	42
CAHM	5.00	85.7	7	5.00	81.8	11	5.00	83.3	18
CAOS	4.00	72.2	18	4.00	82.5	63	4.00	80.2	81
CEM	5.00	100.0	2	4.00	92.3	13	4.00	93.3	15
CJ	5.00	100.0	13	4.00	87.9	33	4.00	91.3	46
CS	4.00	100.0	3	4.00	81.0	21	4.00	83.3	24
DH	4.50	85.7	14			0	4.50	85.7	14
DRAFT	3.00	0.0	1	4.00	81.0	21	4.00	77.3	22
ECE	5.00	92.9	14	5.00	90.1	81	5.00	90.5	95
ET	4.00	100.0	1	2.50	25.0	4	3.00	40.0	5
FPT	5.00	100.0	6	4.00	83.3	12	4.50	88.9	18
HMT	5.00	100.0	1	4.50	100.0	4	5.00	100.0	5
HORT	5.00	100.0	4	5.00	97.0	33	5.00	97.3	37
IT			0	5.00	100.0	1	5.00	100.0	1
JOURN			0	4.00	66.7	6	4.00	66.7	6
MA	4.00	100.0	19	4.50	86.4	22	4.00	92.7	41
MMGMT	4.00	72.2	18			0	4.00	72.2	18
NURSING	4.00	90.5	21			0	4.00	90.5	21
RE	5.00	100.0	1	4.00	80.0	5	4.50	83.3	6
RT	5.00	100.0	9	3.00	50.0	2	5.00	90.9	11
SBUS	5.00	100.0	1			0	5.00	100.0	1
Total			186			375			561

No significant differences were found between Completers' and Leavers' reported satisfactions using the Mann-Whitney U-test at the 0.05 level using Dunn-Sidak's method. Some comparisons were not carried out due to inadequate sample sizes.

Table 7. Employment Status.

	Completer		Leaver		All	
1999 Survey	#	%	#	%	#	%
Employed	145	76.7	259	69.4	404	71.9
Self-Employed	17	9.0	65	17.4	82	14.6
Unemployed	27	14.3	49	13.1	76	13.5
Total	189	100	373	100	562	100
1998 Survey						
Employed	79	85.9	295	79.7	374	81.0
Unemployed	13	14.1	75	20.3	88	19.0
Total	92	100	370	100	462	100

There is no significant difference in employment status between Completers and Leavers in either survey year using the Mann-Whitney U-test at the 0.05 significance level.

Table 8. Employment by Program (1999).

	Completer				Leaver			
Program	Employed	Self-Employed	Un-employed	Un-employment Rate (%)	Employed	Self-Employed	Un-employed	Un-employment Rate (%)
ACCT	1	5	5	45.5	2	12	2	12.5
ARCHE	1		4	80.0	0	2	0	0.0
BUS	2	13	2	11.8	2	21	3	11.5
CAHM	0	7	0	0.0	1	10	1	8.3
CAOS	4	11	3	16.7	14	43	9	13.6
CEM	0	2	0	0.0	4	9	1	7.1
CJ	1	11	1	7.7	1	30	2	6.1
CS	1	2	0	0.0	4	14	4	18.2
DH	1	14	0	0.0	0	0	0	NA
DRAFT	0	1	1	50.0	7	13	1	4.8
ECE	3	10	1	7.1	14	55	14	16.9
ET	0	1	0	0.0	2	1	1	25.0
FPT	0	5	1	16.7	0	12	1	7.7
HMT	0	1	0	0.0	0	4	0	0.0
HORT	1	3	0	0.0	11	18	6	17.1
IT	0	0	0	NA	0	1	0	0.0
JOURN	0	0	0	NA	0	4	3	42.9
MA	1	14	4	21.1	3	17	2	9.1
MMGMT	0	15	4	21.1	0	0	0	NA
NURSING	0	20	1	4.8	0	0	0	NA

RE	0	1	0	0.0	2	3	0	0.0
RT	1	8	0	0.0	0	2	0	0.0
SBUS	0	1	0	0.0	0	0	0	NA

NA = Not Applicable

Table 9. Location of Employment

1999 Survey	Completer		Leaver		All	
	#	%	#	%	#	%
Santa Cruz	118	77.1	227	74.7	345	75.5
Santa Clara	11	7.2	33	10.9	44	9.6
Monterey	7	4.6	20	6.6	27	5.9
San Benito	1	0.7	4	1.3	5	1.1
Other N CA	3	2.0	11	3.6	14	3.1
Central Valley	5	3.3	3	1.0	8	1.8
S CA	2	1.3	2	0.7	4	0.9
Outside CA	6	3.9	4	1.3	10	2.2
Total	153	100.0	304	100.0	457	100.0
1998 Survey						
Santa Cruz	44	54.3	229	79.2	273	73.8
Elsewhere	37	45.7	60	20.8	97	26.2
Total	81	100.0	289	100.0	370	100.0

Table 10. Location of Employment by Program.

Program	Santa Cruz	Santa Clara	Monterey	San Benito	Northern California	Central Valley	Southern California	Outside California	No Response
ACCT	15	2		1				1	8
ARCHE	1	1							5
BUS	31	3			1	1		1	6
CAHM	13	2							4
CAOS	49	7	4	1	1	1		3	19
CEM	7	2	2		2				3
CJ	30	4	1		2	2	1	1	5
CS	17	3							5
DH	9	3					2	1	
DRAFT	11	3	1						8
ECE	65	3	9	2	2	1	1		15
ET	1	1				1			2
FPT	8	3	2		2				4
HMT	3	1	1						
HORT	26	3	1		1			1	7
IT	1								
JOURN	2	1			1				3
MA	27	1		1		1		2	9
MMGMT	13				1	1			4

NURSING	11	3	3		1				3
RE	5		1						
RT	7		3	1					
SBUS	1								

Table 11. Hours Employed.

	Completer				Leaver				All			
Survey Year	Mean	Median	sd	n	Mean	Median	sd	n	Mean	Median	sd	n
1999	35.3	40.0	11.3	158	37.1	40.0	12.5	319	36.5	40.0	12.2	477
1998	36.2	40.0	8.0	77	37.4	40.0	13.5	276	37.2	40.0	12.5	353

Table 12. Annual and Hourly Income

Wages	**Completer**				**Leaver**				**All**			
1999 Survey	Mean	Median	sd	n	Mean	Median	sd	n	Mean	Median	sd	n
Beginning Hourly	14	11	9	143	12	10	10	226	13	10	9	369
Beginning Annual	26,903	23,227	18,364	142	22,041	17,680	15,276	221	23,943	20,280	16,698	363
Adj Beg Hourly	17	15	9	146	16	13	10	259	15	11	11	355
Adj Beg Annual	32,672	28,165	19,398	146	31,767	25,350	22,436	259	28,943	21,667	25,261	354
Current Hourly	17	12	12	141	14	10	10	214	16	13	10	405
Current Annual	31,620	24,765	27,594	141	27,171	19,915	23,490	213	32,093	26,478	21,370	405
1998 Survey												
Current Hourly	18	16	8	66	16	14	10	238	17	14	10	304
Current Annual	34,321	30,000	15,824	68	29,920	30,000	15,595	247	30,870	30,000	15,724	315

Adj Beg = Adjusted Beginning
Adjusted wages are in 1999 dollars using Urban Wage Earners' and Clerical Workers' CPI (Dept of Labor).

Some respondents only provided hourly or annual wage information. Annual wages for these cases were estimated by multiplying the hourly rate by 2080 hours (based upon a 40 hour work week and a 52 week year) and hourly wages by dividing the annual rate by 2080 hours.

Using a one-tailed Mann-Whitney U-test, Completers current annual incomes are not significantly higher than Leavers in the 1999 survey year ($p = 0.159$). Significant differences do occur in annual incomes in 1998 ($p = 0.037$) and hourly incomes in both years ($p = 0.0251$ for 1999 and $p = 0.015$ for 1998). However, incomes for 1999 do not significantly differ between Completers and Leavers within each program. Overall differences may be due to higher completion rates in high paying fields such as Dental Hygiene.

Figure 2. Current median annual incomes of respondents by program.

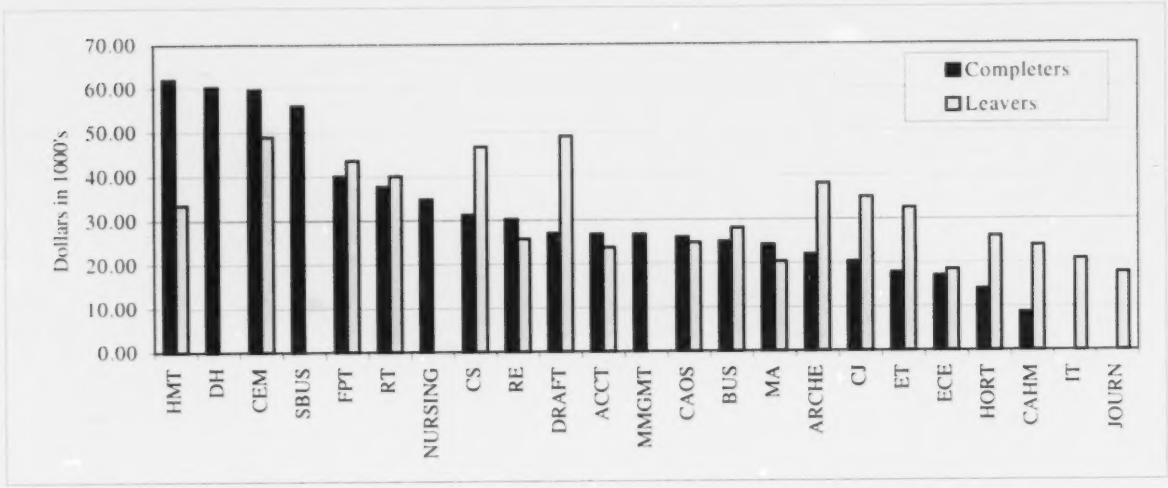


Table 13. Hourly and Annual Wages by Completion Status and Program.

		Completer				Leaver				All			
Program	Current	Mean	Median	sd	n	Mean	Median	sd	n	Mean	Median	sd	n
ACCT	Annual	23893.33	26676.00	7840.16	6	24359.80	23684.00	7443.67	10	24184.88	24414.00	7334.08	16
	Hourly	11.75	11.50	2.52	6	12.74	12.75	3.12	10	12.37	12.25	2.86	16
ARCHE	Annual	22000.00	22000.00	.	1	38114.50	38114.50	35193.41	2	32743.00	22000.00	26567.78	3
	Hourly	10.58	10.58	.	1	15.48	15.48	10.64	2	13.84	10.58	8.04	3
BUS	Annual	29438.46	24960.00	13167.45	13	28257.79	28000.00	17237.81	19	28737.44	27520.00	15491.83	32
	Hourly	15.22	13.00	5.73	13	14.23	13.46	7.07	19	14.63	13.46	6.48	32
CAHM	Annual	25220.20	8645.00	36521.79	5	22061.00	23940.00	8932.40	8	23276.08	17680.00	22219.71	13
	Hourly	11.12	9.00	5.33	5	9.76	10.25	1.88	8	10.28	9.50	3.46	13
CAOS	Annual	26,874.31	26,000.00	14,062.6	13	35,594.40	24,731.2	34,128.37	43	33,570.09	24,865.60	30,763.46	56
	Hourly	15.90	15.37	5.65	13	17.69	12.23	15.36	43	17.27	13.64	13.70	56
CEM	Annual	59600.00	59600.00	3394.11	2	56136.20	49000.00	18812.08	12	56631.03	51000.00	17375.77	14
	Hourly	26.00	26.00	5.66	2	24.55	21.87	8.32	12	24.76	22.06	7.83	14
CJ	Annual	25,252.77	20,250.00	17,045.5	12	38,458.43	35,000.0	18,133.45	25	34,175.51	32,000.00	18,635.20	37
	Hourly	13.96	12.06	5.38	12	18.95	18.00	9.01	25	17.33	16.83	8.28	37
CS	Annual	35360.00	31200.00	14999.09	[illegible]	42055.09	46600.00	19423.88	11	40620.43	43300.00	18247.18	14
	Hourly	22.00	15.00	15.72	[illegible]	18.31	19.00	5.67	11	19.10	18.55	8.07	14
DH	Annual	57162.58	60320.00	15636.03	12	.	.	.	0	57162.58	60320.00	15636.03	12
	Hourly	38.42	37.00	4.70	12	.	.	.	0	38.42	37.00	4.70	12
DRAFT	Annual	27000.00	27000.00	.	1	51269.29	48920.00	25436.90	14	49651.33	47840.00	25299.91	15
	Hourly	13.00	13.00	.	1	23.14	24.00	10.93	16	22.54	23.00	10.86	17
ECE	Annual	20044.62	17000.00	12361.71	13	21742.63	18418.50	13119.70	56	21422.71	18200.00	12908.69	69
	Hourly	9.83	9.00	3.23	13	11.25	10.00	4.63	55	10.98	9.85	4.41	68
ET	Annual	17784.00	17784.00	.	1	32500.00	32500.00	10606.60	2	27594.67	25000.00	11333.00	3
	Hourly	9.00	9.00	.	1	12.50	12.50	4.07	2	11.33	9.62	3.52	3
FPT	Annual	51168.00	40000.00	29791.63	5	39490.75	43500.00	26019.69	8	43982.00	40000.00	26939.59	13
	Hourly	19.75	11.00	14.38	5	15.88	15.50	8.10	8	17.37	13.00	10.54	13
HMT	Annual	62000.00	62000.00	.	1	36962.75	33530.50	12923.14	4	41970.20	40000.00	15831.25	5
	Hourly	22.00	22.00	.	1	17.77	16.12	6.21	4	18.62	19.23	5.70	5
HORT	Annual	14885.00	14040.00	10086.25	4	29340.18	26020.00	15355.81	22	27116.31	24200.00	15445.70	26
	Hourly	10.50	10.00	3.32	4	17.84	18.62	8.11	22	16.71	15.19	7.99	26

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IT	Annual	.	.	.		20800.00	20800.00	.	1	20800.00	20800.00		1
	Hourly	.	.	.		10.00	10.00	.	1	10.00	10.00	.	1
JOURN	Annual	.	.	.	0	22549.00	17758.00	20450.16	4	22549.00	17758.00	20450.16	4
	Hourly	.	.	.	0	13.50	12.82	4.78	4	13.50	12.82	4.78	4
MA	Annual	31710.04	24230.00	26830.16	12	21153.90	20410.00	12170.73	16	25677.96	21902.00	20096.47	28
	Hourly	12.09	11.66	2.75	12	14.38	11.00	10.55	16	13.40	11.16	8.14	28
MMGMT	Annual	29002.85	26603.00	15958.51	13	.	.	.		29002.85	26603.00	15958.51	13
	Hourly	15.27	13.00	5.45	13	.	.	.		15.27	13.00	5.45	13
NURSING	Annual	35381.18	34797.10	10685.16	18	.	.	.		35381.18	34797.10	10685.16	18
	Hourly	20.83	21.00	5.22	18	.	.	.		20.83	21.00	5.22	18
RE	Annual	30160.00	30160.00	.	1	26421.50	25750.00	18853.73	4	27169.20	28500.00	16413.19	5
	Hourly	14.50	14.50	.	1	12.98	10.27	8.72	4	13.28	11.00	7.59	5
RT	Annual	41005.76	37648.00	11726.80	9	40000.00	40000.00	.	1	40905.18	37918.40	11060.71	10
	Hourly	19.46	18.36	3.12	9	19.23	19.23	.	1	19.43	18.68	2.94	10
SBUS	Annual	55965.00	55965.00	.	1	.	.	.		55965.00	55965.00	.	1
	Hourly	30.75	30.75	.	1	.	.	.		30.75	30.75	.	1
All	Annual	32672.13	28165.00	19397.78	146	31766.63	25350.00	22435.66	259	32093.05	26478.40	21370.31	405
	Hourly	17.39	15.00	9.12	146	15.95	13.00	9.84	259	16.47	13.46	9.60	405

Table 14. Responses to the question, "Are you interested in taking more classes at Cabrillo College in the near future?"

1998 Survey	Completer		Leaver		All	
	#	%	#	%	#	%
Yes	129	69.7	267	73.6	396	72.3
No	56	30.3	96	26.4	152	27.7
Total	185	100.0	363	100.0	548	100.0
1998 Survey						
Yes	60	68.2	287	83.4	347	80.3
No	28	31.8	57	16.6	85	19.7
Total	88	100	344	100	432	100

Table 15. Responses to the question, "Which of the following did you need the most when you first started your job after leaving Cabrillo?"

	Computer	Interpersonal	Reading/ Writing	Math	Total
	%	%	%	%	n
Completer	38.4	48.3	9.3	4.0	151
Leaver	44.0	33.6	15.3	7.1	268
All	42.0	38.9	13.1	6.0	419
ACCT	61.1	22.2	5.6	11.1	18
ARCHE	50.0	0.0	0.0	50.0	2
BUS	37.1	37.1	17.1	8.6	35
CAHM	45.5	18.2	27.3	9.1	11

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CAOS	58.5	18.9	17.0	5.7	53
CEM	8.3	58.3	25.0	8.3	12
CJ	32.4	27.0	29.7	10.8	37
CS	68.4	15.8	10.5	5.3	19
DH	14.3	78.6	7.1	0.0	14
DRAFT	82.4	11.8	5.9	0.0	17
ECE	30.6	48.6	16.7	4.2	72
ET	40.0	60.0	0.0	0.0	5
FPT	30.8	61.5	7.7	0.0	13
HMT	40.0	40.0	20.0	0.0	5
HORT	29.6	66.7	0.0	3.7	27
IT	0.0	0.0	0.0	0.0	0
JOURN	33.3	33.3	0.0	33.3	3
MA	53.6	35.7	3.6	7.1	28
MMGMT	68.8	18.8	6.3	6.3	16
NURSING	16.7	66.7	11.1	5.6	18
RE	40.0	60.0	0.0	0.0	5
RT	37.5	62.5	0.0	0.0	8
SBUS	0.0	100.0	0.0	0.0	1

Responses to multiple categories are excluded in this table.

The next table and the next three figures combine information about completion status and program affiliation using whether the student is working in their field as a success criteria. Table 16 and Figure 3 show that Completers are significantly more likely to be working in the field Cabrillo College prepared them for than Leavers (Chi-square = 25.754, df = 1, $p < 0.001$). Figure 4 shows the proportion of Completers and Leavers by program. **Figure 5** combines these data to illustrate how completion status and working in the field are distributed by department. By examining adjusted residuals (not shown), we find that Completers of Dental Hygiene and Nursing are proportionately more likely to be working in their field as are Leavers of Early Childhood Education. Leavers of the Medical Assistant program are proportionately more likely to not be working in their field as are Completers of Criminal Justice.

Table 16. Responses to the question, "Are you working the field that Cabrillo prepared you for?"

1999 Survey	Completer		Leaver		All	
	#	%	#	%	#	%
Yes	126	79.2	174	55.1	300	63.2
No	33	20.8	142	44.9	175	36.8
Total	159	100	316	100	475	100
1998 Survey						
Yes	64	82.1	217	77.0	281	78.1
No	14	17.9	65	23.0	79	21.9
Total	78	100.0	282	100.0	360	100.0

Figure 3. Proportion of 1999 respondents' answer to the question, "Are you working in the field that Cabrillo prepared you for?" separated by completion status.

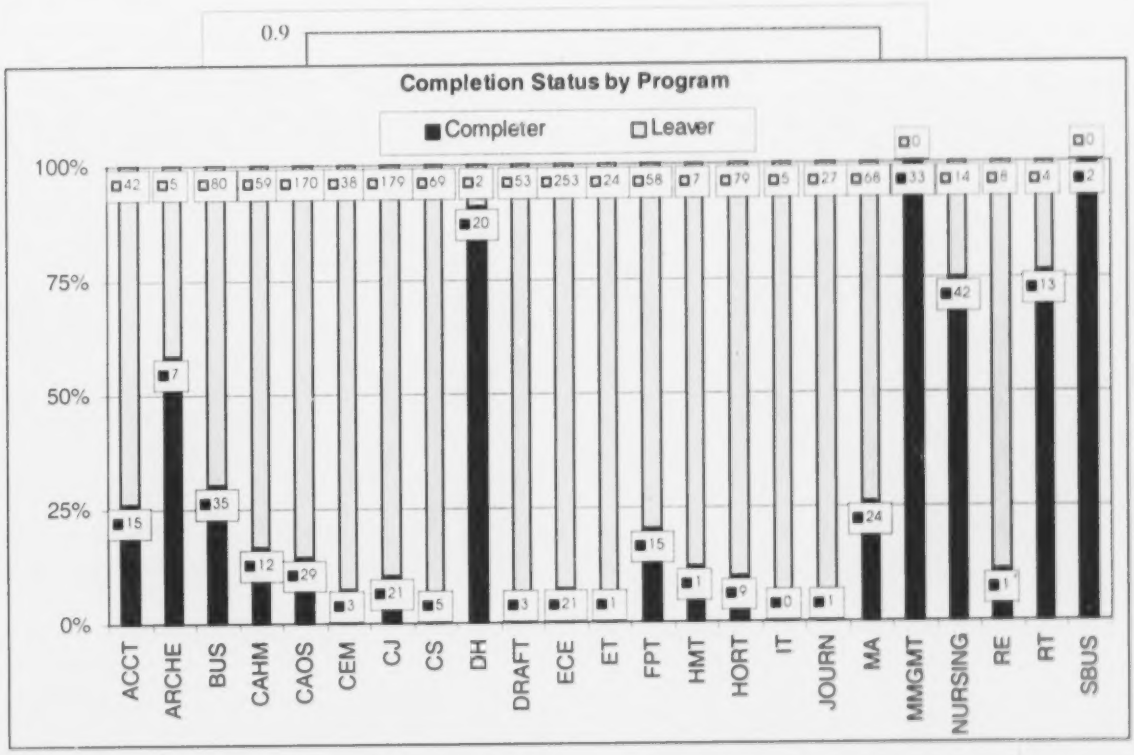

Figure 4. Proportion of Completers and Leavers by program. Numbers indicate the number of respondents in each category.

Figure 5. Proportion of respondents working in field by completion and program.